

Ship Sept. 26

Work Order ID 166444

166444

Page 1

Friday, September 22, 2017 8:58:41 AM

Item ID: D412-702-075

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Comfort Crew Shoulder Harness

Start Date: 9/22/2017 Start Qty: 1.00

1

Cust Item ID:

Required Date: 9/26/2017 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan:

Date: SEP 21 2017

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

IIN-D412-702-3

C

100

Document Control

0.00

100

DC

DOCUMENT CONTROL

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D412-702-075 CHG001

DAS
28
9-89

SEP 25 2017

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

SEP 22 2017

DAS
27
9-89

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

DAS
28
9-89

SEP 25 2017

Work Order ID 166444

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166444

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Item ID: D412-702-075**Accept*****N900040100*****Setup Start *NS1*****Revision ID:****Stop *NS2*****Item Name:** Comfort Crew Shoulder Harness**Start Date:** 9/22/2017 **Start Qty:** 1.00 ***1*****Cust Item ID:****Required Date:** 9/26/2017 **Req'd Qty:** 1.00 ***1*****Customer:****Reference:****Approvals:** **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____**Run Start *NR1*****QC:** _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____**Stop *NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Identify as per dwg & Stock Location: _____	0.00					DAS 28 9-89		SEP 25 2017
130	Packaging								
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D412-702-075 Location: _____								
140	QC21- Final Inspection - Work Order Release	0.00							SEP 25 2017
140									
QC	Memo	0.00					DAS 21 9-89		
Quality Control									

DAS
21
9-89
um 17/9/25.

Picklist Print

Friday, September 22, 2017 8:58:41 AM

Page 1

Work Order ID: 166444

166444

Parent Item: D412-702-075

D412-702-075

Parent Item Name: Comfort Crew Shoulder Harness

Start Date: 9/22/2017

Required Date: 9/26/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 17.03.13 NEW ISSUE DD VERF:JFS
17.09.19 IIN412-702-3 Rev.C DD Verify DP

IPP Rev.B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

AN3-10A

Purchased

No

110

Each

148.0000

2

2

AN3-10A

Bolt

**

Location

Loc Qty

Loc Code

GA

38

m136787

38

ST349

110

m138326

110

AN3-4A

Purchased

No

110

Each

327.0000

4

4

AN3-4A

Bolt

**

Location

Loc Qty

Loc Code

ST350

327

m138260

327

AN4-6A

Purchased

No

110

Each

751.0000

2

2

AN4-6A

BOLT

**

Location

Loc Qty

Loc Code

over003

700

M138045

500

M138207

200

ST345

51

M137951

51

DAS 27 9-89
SEP 22 2017

DAS 27 9-89
SEP 22 2017

DAS 27 9-89
SEP 22 2017

Picklist Print

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Work Order ID: 166444

166444

Parent Item: D412-702-075

D412-702-075

Parent Item Name: Comfort Crew Shoulder Harness

Start Date: 9/22/2017

Required Date: 9/26/2017

Start Qty: 1.00

Required Qty: 1.00

AN970-4

Purchased

No

110

Each

85.0000

4

4

AN970-4

Washer

**

SEP 22 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST321

85

m137544

13

m138170

72

D4305-045

Manufactured

No

110

Each

1.0000

1

1

D4305-045

Shoulder Harness Assembly

**

SEP 22 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

ST462

1

160082

1

MS21042L3

Purchased

No

110

Each

1,281.000

6

6

MS21042L3

Nut

**

SEP 22 2017

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

44

m135945

44

GA

302

m134360

102

M136665

200

ST303

935

m138230

433

m138326

2

m138408

500

Picklist Print

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Work Order ID: 166444

166444

Parent Item: D412-702-075

D412-702-075

Parent Item Name: Comfort Crew Shoulder Harness

Start Date: 9/22/2017

Required Date: 9/26/2017

Start Qty: 1.00

Required Qty: 1.00

MS21042L4 Purchased No

110 Each 1,654.000 2 2

MS21042L4

Nut

**

DAS
27
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

10

m133363

10

OVER007

500

m138230

500

ST303

1144

m138170

500

m138326

644

NAS1149D0332J Purchased No

110 Each 1,237.000 10 10

NAS1149D0332J

Washer

**

SEP 22 2017

DAS
28
9-89

Location

Loc Qty

Loc Code

FP001

85

m137963

85

GA

168

m136643

168

ST260a

900

m138238

900

ST264

84

m138238

84

NAS1149D0363J Purchased No

110 Each 1,033.000 6 6

NAS1149D0363J

Washer

**

SEP 22 2017

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

384

m137963

384

ST263

649

m138336

649

SEP 22 2017

DAS
27
9-89

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Shop Packet Print

Page 3

Picklist Print

Friday, September 22, 2017 8:58:41 AM

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Work Order ID: 166444

166444

Parent Item: D412-702-075

D412-702-075

Parent Item Name: Comfort Crew Shoulder Harness

Start Date: 9/22/2017

Required Date: 9/26/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0432J

Purchased

No

110

Each

860.0000

4

4

NAS1149D0432.I

WASHER

DAS
28
9-8

Location

Loc Qty

Loc Code

GA

24

m131026

24

ST264

836

m137459

836

110

Each

1,491.000

4

4

NAS1149D0463J

Purchased

No

NAS1149D0463.I

Washer

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

445

M135056

40

M137699

405

Return2017

16

M136665

16

ST263

1030

M137988

600

M138230

430

SEP 22 2017

DAS
27
9-89

SEP 22 2017

DAS
27
9-89

REFERENCE ONLY**4.0 WEIGHT AND BALANCE**

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D412-702-071	-2.6 lb	± 22.0 in	± 57.2 in lb	47.0 in	-122.2 in lb
<i>Pilot/Co-pilot Shoulder Harness Kit</i>	-1.2 kg	± 0.56 m	± 0.67 m kg	1.19 m	-1.43 m kg
D412-702-073	-2.6 lb	± 22.0 in	± 57.2 in lb	47.0 in	-122.2 in lb
<i>Pilot/Co-pilot Shoulder Harness Kit</i>	-1.2 kg	± 0.56 m	± 0.67 m kg	1.19 m	-1.43 m kg
D412-702-075	-2.6 lb	± 22.0 in	± 57.2 in lb	47.0 in	-122.2 in lb
<i>Pilot/Co-pilot Shoulder Harness Kit</i>	-1.2 kg	± 0.56 m	± 0.67 m kg	1.19 m	-1.43 m kg

5.0 PARTS LISTS

QTY -071	QTY -073	QTY -075	Part Number	Description
X			D412-702-071	Dart Pilot/Co-Pilot Shoulder Harness Kit
	X		D412-702-073	Dart Pilot/Co-Pilot Shoulder Harness Kit
		X	D412-702-075	Dart Pilot/Co-Pilot Shoulder Harness Kit
1			D4305-041	SHOULDER HARNESS
	1		D4305-043	SHOULDER HARNESS
		1	D4305-045	SHOULDER HARNESS
4	4	4	AN3-4A	BOLT
2	2	2	AN4-6A	BOLT
2	2	2	AN3-10A	BOLT
4	4	4	AN970-4	WASHER
6	6	6	MS21042L3	NUT
2	2	2	MS21042L4	NUT
10	10	10	NAS1149D0332J	WASHER
6	6	6	NAS1149D0363J	WASHER
4	4	4	NAS1149D0432J	WASHER
4	4	4	NAS1149D0463J	WASHER

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Item ID: D412-702-075 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Comfort Crew Shoulder Harness
 Start Date: 9/22/2017 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 9/26/2017 Req'd Qty: 1.00 ***1*** Customer:
 Reference:
 Approvals: Process Plan:  Date: SEP 21 2017 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D412-702-3	- C								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP D412-702-075 CHG001								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

DAS
6
79

DAS
5
9-89

SEP 25 2017

SEP 22 2017





Transport
Canada

Transports
Canada

Department of Transport

Supplemental Type Certificate

This approval is issued to:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ontario
Canada K6A 1K7

Number: SH04-7

Issue No.: 3

Approval Date: February 06, 2004

Issue Date: March 09, 2006

Responsible Office:

Ontario

Aircraft/Engine Type or Model:

BELL 205A-1, 205B, 212, 214B, 214B-1, 412, 412 CF, 412 EP

Canadian Type Certificate or Equivalent:

BELL 205B H-104
BELL 214B, 214B-1 H-80
BELL 212, 412, 412 CF, 412 EP H-86
BELL 205A-1 H1SW

Description of Type Design Change:

Shoulder Harness Kits

**Installation/Operating Data,
Required Equipment and Limitations:**

Manufacture of the Shoulder Harness Kits must be in accordance with Dart Aerospace Ltd. MDL-D412-702, Revision B, approved Jan 17 2006, or later approved revisions.

Installation of the Shoulder Harness Kits must be in accordance with Dart Aerospace Ltd. IIN-D412-702, Revision C, approved Mar 07 2006, or later approved revision.

Maintenance of the Shoulder Harness Kits must be in accordance with Dart Aerospace Ltd. ICA-D412-702, Revision 2, Transport Canada accepted Mar 09 2006, or later Transport Canada accepted revisions.

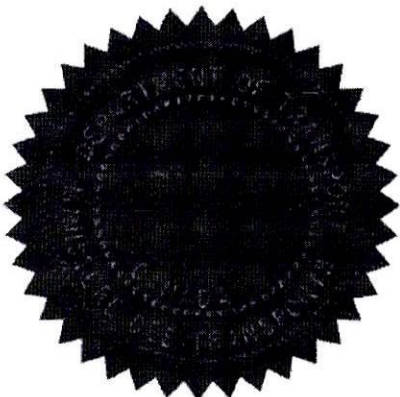
Operation with the Shoulder Harness Kits must be in accordance with Dart Aerospace Ltd. FMS-D412-702, Revision C, Transport Canada approved Mar 09 2006, or later Transport Canada approved revisions.

Basis of Certification:

The basis of certification for this modification was FAR 29, up to and including Amendment 29-47, except for 29.561, 29.562, and 29.785 at Amendment 29-11.

- End -

Conditions: This approval is only applicable to the type/model of aeronautical product specified therein. Prior to incorporating this modification, the installer shall establish that the interrelationship between this change and any other modification(s) incorporated will not adversely affect the airworthiness of the modified product.




M. G. Mariotti
For Minister of Transport

Canada